

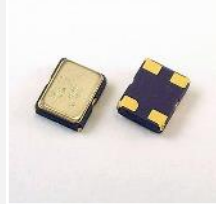
## TCXO/VCTCXO ULTRA MINIATURE SMD (3.2 x 2.5 x 1.0mm)

**FEATURES:**

- ANALOG COMPENSATION / VC OPTION
- LOW VOLTAGE / TIGHT STABILITY
- LOW COST FOR A TIGHT STABILITY TCXO

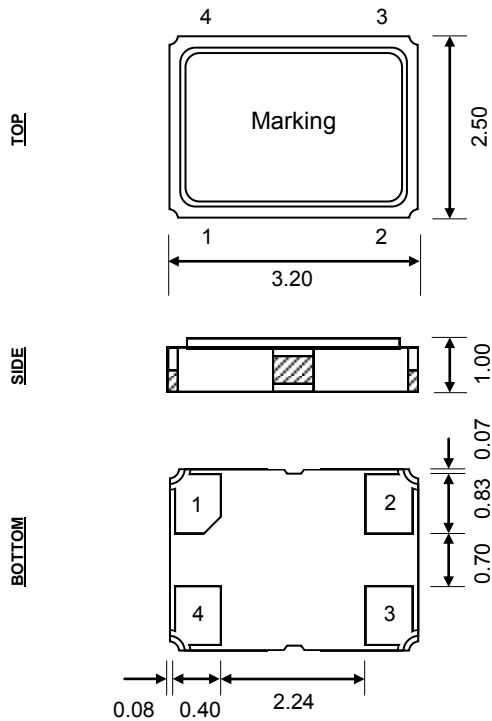
**APPLICATIONS:**

- GPS, GPS MODULE
- Cellular Phone (CDMA & WCDMA)
- Broadband Access


**■ SPECIFICATION**

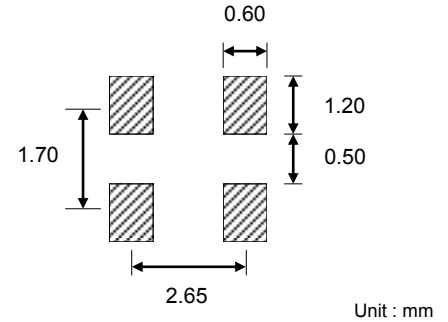
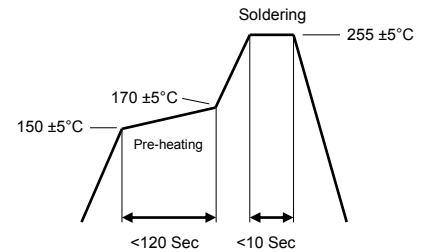
PARAMETER		MIN.	TYP.	MAX.	UNIT	NOTE
FREQUENCY RANGE		16		26	MHz	
FREQUENCY TOLERANCE				±1.0	ppm	@ V <sub>c</sub> = 1/2V <sub>DD</sub> DC @ 25°C ± 2°C
FREQUENCY STABILITY	vs. TEMPERATURE RANGE			±0.5	ppm	See P/N guide for other options
	vs. LOAD ± 5%			±0.2	ppm	
	vs. SUPPLY VOLTAGE ± 5%			±0.2	ppm	
	vs. AGING			±1.0	ppm/year	
OPERATING TEMPERATURE RANGE		-30		85	°C	See P/N guide for other options
STORAGE TEMPERATURE RANGE		-40		85	°C	
SUPPLY VOLTAGE ±5%		2.5		3.3	V	
SUPPLY CURRENT				2.0	mA	
OUTPUT	LOGIC FAMILY	Clipped Sinewave				
	LOAD	10kΩ//10pF				
	LEVEL	0.8			V <sub>P-P</sub>	
FREQUENCY DEVIATION		±3.0		±15.0	ppm	See P/N guide for other options
CONTROL VOLTAGE		0.4		2.4	V	1.5V ±1.0V available
V <sub>c</sub> INPUT IMPEDANCE		100			kΩ	
PHASE NOISE	1kHz			-130	dBc/Hz	

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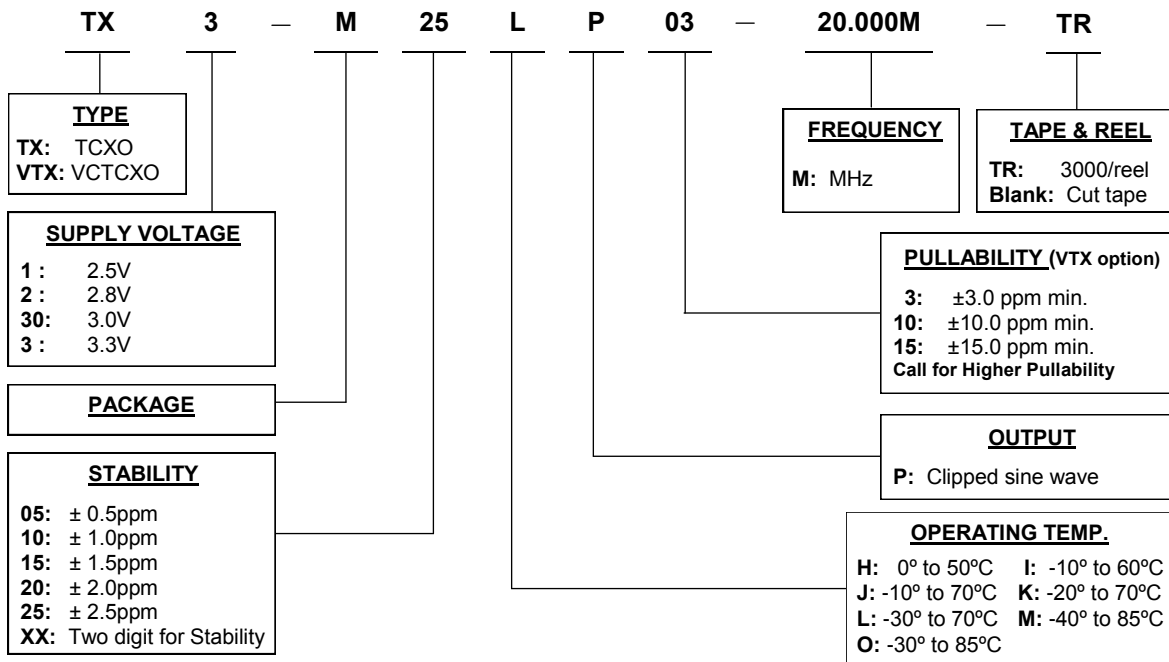
**■ PACKAGE DIMENSIONS**


Unit : mm

Pin Configuration	
1	N/C or Vc
2	GND
3	Output
4	V <sub>DD</sub>

**■ SOLDER PATTERN**

**■ REFLOW PROFILE**


Note: Consult factory for detail

**■ PART NUMBERING GUIDE**


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